

L1CFT Trigger Terms to L1Mu0

The format of each sixteen-bit word is as follows:

Bits	Content
[0..5]	Hcent
[6..10]	Alayer Offset / PT
11	Sign
[12..14]	Spare
15 (most significant)	Track Found

Look-up table for P_T Information:

P _T Threshold	Bits10..9	Bits 8..6	Offset / P _T Ave
P_T 1 (Lowest)	11	111	14
		110	13
		101	12
		100	11
		011	10
		010	9
		001	8
		000	7
P_T 2	10	011	6
		010	5
		001	4
		000	3
P_T 3	01	011	5.33
		010	6.15
		001	7.27
		000	8.89
P_T 4 (Highest)	00	011	11.43
		010	16.0
		001	26.67
		000	80.0

Questions:

1. Is the PT information actually on five bits, and not six?
2. Will the upper two bits always be used to designate four bins, as above?
3. Is it possible to get PT values for the lower two bins?